

Description

The product Telex HFC is a fire-resistant hydraulic fluid based on a mixture of water and glycol. It is a fluid intended mainly for replacing mineral hydraulic oils in systems with high fire risk.

It has a water content of approximately 37% and is designed for use in the metallurgy industry, where excellent lubricity is required and where there are extreme operating conditions. The loss of water content could entail an increase in viscosity and deionised water would have to be added to recover its properties.

It is specially suitable for hydraulic systems which due to their characteristics or location are exposed to fire risk and where the fluid does not exceed a temperature of 60°C. It is therefore a high-safety fluid for mining, the steel industry, manufacturing industries (cast iron or plastic deformation of elements such as forges or presses).

Properties

- Excellent lubricity.
- Very good filterability.
- High shear stability.
- Fire-resistant fluid.

Quality levels

- ISO 6743/4 HFC
- ISO 12922 HFC
- 7th Luxembourg Protocol

Technical specifications

	UNIT	METHOD	VALUE
ISO Grade			46
Density at 15 °C	g/cm ³	ASTM D 4052	1.080
Viscosity at 40 °C	cSt	ASTM D 445	46
Rust, method A		ASTM D 665	Pass
Pour point	°C	ASTM D 97	-48
Copper corrosion 3 h at 100 °C		ASTM D 130	1b
Four-ball, scar diameter at 40 kg	mm	ASTM D 4172	0.95
Filterability		NFE 48692	1.06
Spray ignition test		ISO 15029-1	Pass
Flame spread		ISO 14935	Pass
Ignition in tube		CETOP RP 65 H	Pass

The aforementioned characteristics are typical values and should not be considered product specifications.

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 4. October 2013.